

## Overgarments



Chemical-Biological Protective Overgarments

Joint Service Lightweight Integrated Suit Technology (JSLIST) is an all service program and like the Saratoga, provides both vapor and liquid protection from the damaging effects of all known biological and chemical agents and radiological particles.

The JSLIST ensemble includes a blouse, trousers, and protective footwear (and planned glove) and will replace the currently fielded Saratoga when the shelf-life for that suit expires.

The Joint Protective Aircrew Ensemble (JPACE) is a chemical, biological, radiological, nuclear (CBRN) and fire resistant protective clothing ensemble intended for use by all Army, Navy, Air Force, Marines, and U.S. Special Operations Command aviators and aircrew for fixed wing ejection, fixed wing non-ejection, and rotary wing requirements.



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### Joint Project Manager Individual Protection

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## Protective Masks



M40 Series Field Protective Masks

The M40 series field protective masks provide respiratory, eye, and face protection against chemical and biological (CB) agents, toxins, radioactive particles and battlefield contaminants. The mask consists of a silicone rubber face-piece, and a face-mounted filter.

The Voice Communication Adapter (VCA) is a voice amplifying device that modifies the M40 series field protective mask. Basic issue is one per squad or fire team.

The Joint Service Aircrew Mask (JSAM) will provide aircrew members with individual head-eye-respiratory protection against CB warfare agents and radiological particles as well as protection from the effects of G-forces. JSAM will be compatible with current and planned CB ensembles and existing life support equipment, provide flame and thermal protection, reduce heat stress, and allow the CB protective portion of the respirator to be donned/doffed in flight. JSAM will replace all existing Service aircrew CB respirators.

The Joint Service General Purpose Mask (JSGPM) will provide face, eye and respiratory protection from CB agents, toxins, toxic industrial materials and radioactive particulate matter. The JSGPM will replace current M40/M42 and MCU-2/P series protective masks.

The Joint Service Mask Leakage Tester (JSMLT) will be a one-man portable device that is capable of determining serviceability, proper fit, and identifying defective components of current and future chemical, biological, radiological, nuclear (CBRN) protective masks. This system will provide an expeditionary capability currently not available to the Joint Services that will quantitatively and qualitatively check the protective mask for defects and fit by measuring the performance of the mask against known standards.

## Boots



Chemical-Biological Protective Boots

The Multi-purpose Overboot (MULO) is scheduled to replace the Black Vinyl Overboot (BVO) and Green Vinyl Overboot (GVO) (the currently fielded Chemical protective footwear for the services).

The MULO is an integral part of the Joint Service Lightweight Integrated Suit Technology (JSLIST) ensemble and provides individual protection against nuclear, chemical, and biological contamination.

The Alternative Footwear Solutions (AFS) project is a subset of the JSLIST program. The AFS project will develop and validate a future integrated combat/chemical protective boot and meet the interim need of the Navy and Marine Corps for a one-size-fits-all, small-packaged chemical protective boot.

## Gloves



Chemical-Biological Protective Gloves

JSLIST Block 1 Glove Upgrade (JB1GU) is an interim glove solution for Southern Command, the Army, Air Force and the Marine Corps. The JB1GU may be either a liner intended to be worn under existing U.S. military gloves (for example, the Summer Flyer's Glove or the Light Duty Work Glove) or a glove that will be worn in place of existing hand wear or it may be a combination of a new glove shell and liner that, together, provide both chemical agent protection and the functionality of the glove(s) it replaces. All potential versions of the JB1GU will be used with the approved JSLIST ensemble and chemical protective mask with second skin.

In 2004 the JSLIST Blocked Glove Project Office will initiate a Block 2 Glove upgrade that will provide the Joint Services with a final 30-day CB protective glove. Using spiral development, the Block 2 project will identify new Commercial-Off-The-Shelf (COTS)/Government-Off-The-Shelf (GOTS) technologies and/or modify Block 1 systems to meet the Block 2 requirements.